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62992

SCHEDULE DRAWING

NO MODIFICATIONS PERMITTED WITHOUT REFERENCE TO THE NOTIFIED BODY

REVISIONS		
REV	DESCRIPTION	DIN
NR	RELEASED TO DRAFTING	48007

- 4 SHIELDS TO BE EARTHED AT BARRIER END.
- 3 THE INSTALLER SHALL INSURE THAT THE TRANSDUCER MOUNTING STRUCTURE IS AT THE SAME GROUNDING POTENTIAL AS THE BARRIER GROUND. TOTAL EARTH LOOP IMPEDANCE SHALL BE LESS THAN ONE OHM.
- 2 BARRIER WILL BE MOUNTED IN AN ENCLOSURE THE SUITABILITY OF WHICH WILL BE DETERMINED BY LOCAL AUTHORITIES.
- 1 ENTITY APPLICATION:

Barrier I.S. Apparatus
 $V_{oc}/U_o < V / U_i$
 $I_{sc}/I_o < I / I_i$
 $C_o > C_i$
 $L_o > L_i$
 $P_o < P_i$

BARRIERS WITHIN THE SPECIFIED LIMITATIONS ARE PERMITTED.

ENTITY PARAMETERS:

Connectors:

U_i : 28 V, I_i : 120 mA, P_i : 1 W, C_i : 750 pF, L_i : 0
 OR
 U_i : 15 V, I_i : 900 mA, P_i : 1 W, C_i : 750 pF, L_i : 0

Integral Cables:

U_i : 28 V, I_i : 120 mA, P_i : 1 W, C_i : 6 nF, L_i : 30 μ H
 OR
 U_i : 15 V, I_i : 900 mA, P_i : 1 W, C_i : 6 nF, L_i : 30 μ H

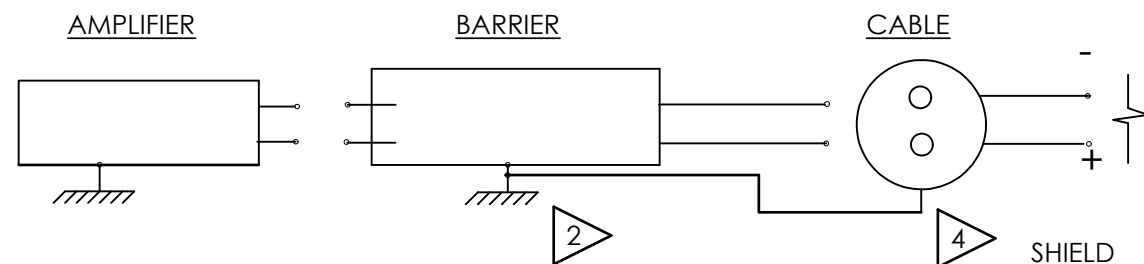
Maximum cable length: 10m

CERTIFIED BY THE APPROPRIATE APPROVAL AUTHORITY FOR CONNECTION TO THE FOLLOWING AREAS:

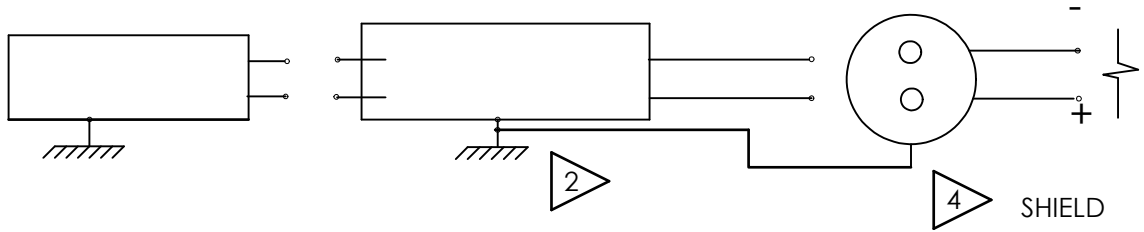
CLASS 1 DIVISION 1 Groups A, B, C, D ZONE 0
 Ex ia IIC T6 ... 482°C Ga

T6 at ambient + 80°C
 T5 at ambient + 95°C
 T4 at ambient + 130°C
 T3 at ambient + 195°C
 T2 at ambient + 290°C
 T1 at ambient + 440°C
 482°C at ambient +472°C

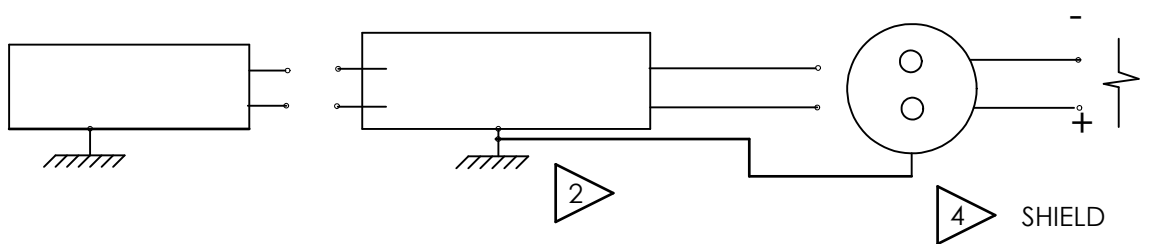
X AXIS CHANNEL



Y AXIS CHANNEL



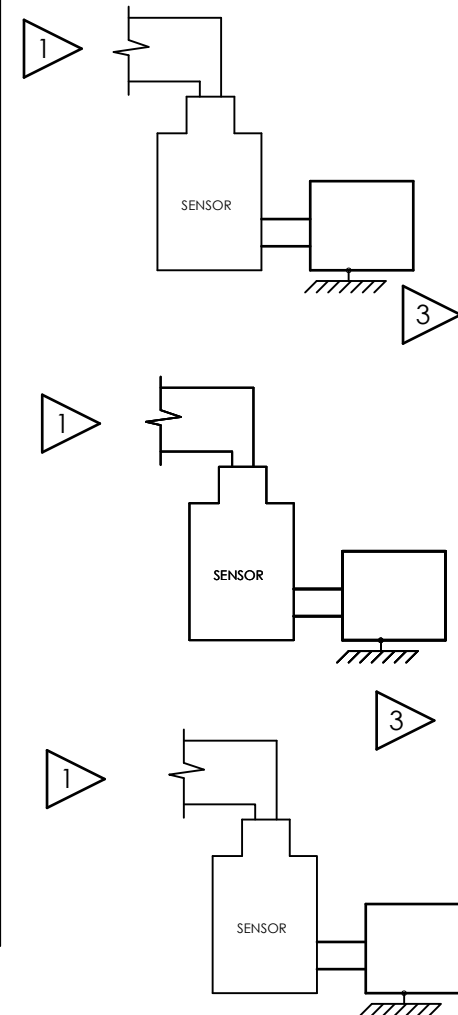
Z AXIS CHANNEL



NON-HAZARDOUS / SAFE AREA

HAZARDOUS AREA
 DIV 1
 ZONE 0

TRANSUCER



UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
DECIMALS	X ± .05
	XX ± .01
	XXX ± .005
	XXXX ± .0005
ANGLES ± 2 DEGREES	
FILLETS AND RADII .003 - .005	
HEX DIMENSIONS ARE:	
	≤ .5 + .000 / - .003
	> .5 + .000 / - .005
INTERNAL THREAD DEPTH MIN.	
REMOVE ALL BURRS	
SHARP = R.000 - R.003	



CAUTION
 ELECTROSTATIC
 DISCHARGE SENSITIVE

DRAWN	CHECKED	ENGINEER
KRM 8/9/18	KRM 8/9/18	PML 7/17/18

TITLE
CSA APPROVAL
EX356YYYY/MNNNZZ
INTERCONNECTIONS



3425 WALDEN AVE. DEPEW, NY 14043
 (716) 684-0002 E-MAIL: sales@pcb.com

CODE IDENT. NO. 52681	DWG. NO. 62992
SCALE: NONE	SHEET 1 OF 2

62992

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SCHEDULE DRAWING
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REVISIONS		
REV	DESCRIPTION	DIN
	-SEE SHEET 1-	

NON-HAZARDOUS / SAFE AREA
DIV 2 ZONE 2

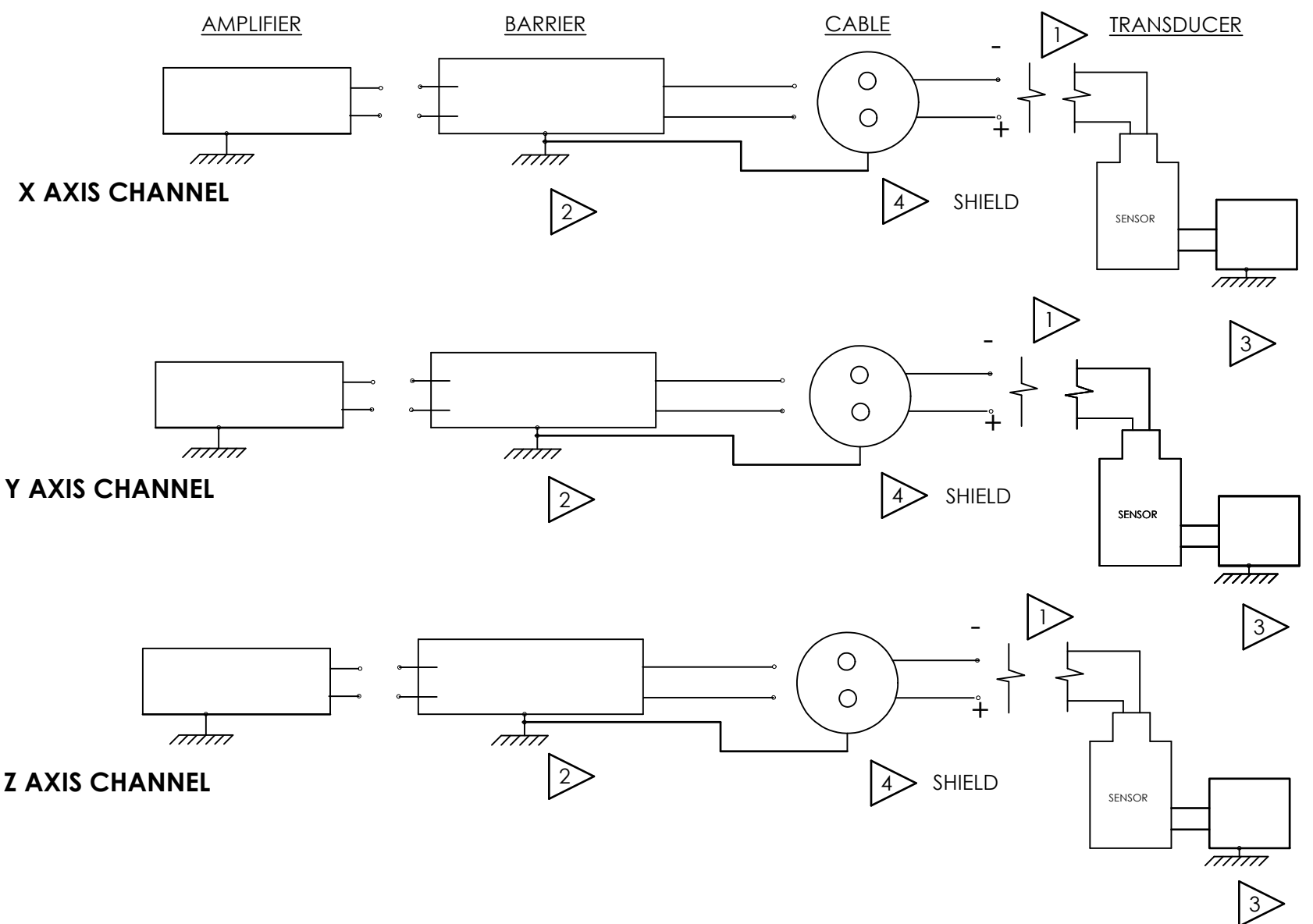
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- 1 **ENTITY PARAMETERS:**
Connectors:
U: 28 V, I: 120 mA, P: 1 W
OR
U: 15 V, I: 900 mA, P: 1 W
- Integral Cables:
U: 28 V, I: 120 mA, P: 1 W, C: 6 nF, L: 30 μH
OR
U: 15 V, I: 900 mA, P: 1 W, C: 6 nF, L: 30 μH
- Maximum cable length: 10m

CERTIFIED BY THE APPROPRIATE APPROVAL AUTHORITY FOR CONNECTION TO THE FOLLOWING AREAS:
CLASS 1 DIVISION 2 GROUPS A, B, C, D ZONE 2

WHEN ENTITY PARAMETERS ARE MARKED ON THE EQUIPMENT, OR SPECIFIED IN THE REFERENCED INSTALLATION/CONTROL DRAWING, THE FOLLOWING EQUIVALENT DIVISION PARAMETERS (WHERER DIFFERENT) SHALL BE INCLUDED:

IEC ENTITY PARAMETER	EQUIVALENT DIVISION PARAMETER
Ui	Vmax
Ii	Imax
Pi	Pi or Pmax
Ci	Ci
Li	Li



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS X ± .05 XX ± .01 XXX ± .005 XXXX ± .0005 ANGLES ± 2 DEGREES FILLET AND RADII .003 - .005 HEX DIMENSIONS ARE: ≤ .5 + .000 / - .003 > .5 + .000 / - .005 INTERNAL THREAD DEPTH MIN. REMOVE ALL BURRS SHARP = R.000 - R.003	 CAUTION ELECTROSTATIC DISCHARGE SENSITIVE	DRAWN KRM 8/9/18	CHECKED KRM 8/9/18	ENGINEER PML 7/17/18	PCB PIEZOTRONICS™ 3425 WALDEN AVE. DEPEW, NY 14043 (716) 684-0002 E-MAIL: sales@pcb.com
		TITLE CSA APPROVAL EX356XYYY/MNNZZ INTERCONNECTIONS			CODE IDENT. NO. 52681
					DWG. NO. 62992
					SCALE: NONE SHEET 2 OF 2

B

B

A

A